



## TIME-DEPENDENCE OF THE THRESHOLD FUNCTION IN THE PERFECT PLASTICITY MODEL

*Dedicated to Professor Nobuyuki Kenmochi on the occasion of his 77th birthday*

YOSHIHO AKAGAWA

National Institute of Technology (KOSEN), Gifu College  
2236-2 Motosu-shi, Gifu 501-0495, Japan  
(E-mail: akagawa@gifu-nct.ac.jp)

TAKESHI FUKAO

Faculty of Advanced Science and Technology, Ryukoku University  
1-5 Yokotani, Seta Oe-cho, Otsu-shi, Shiga 520-2194, Japan  
(E-mail: fukao@math.ryukoku.ac.jp)

and

RISEI KANO

Faculty of Education, Kochi University  
2-5-1 Akebono-cho, Kochi 780-8520, Japan  
(E-mail: kano@kochi-u.ac.jp)

**Abstract.** This paper discusses the time-dependence of a threshold function in the perfect plasticity model. It is meaningful to discuss the well-posedness under the weaker assumption for time-dependence than previous works. This kind of problem is also interesting from the point of the theory for the abstract evolution equation. In this paper, we consider the two cases, that is, with and without the assumption of the time differentiability for the threshold function. The abstract theory is applied under the continuous class with respect to time.

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